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Attorney Docket No. YOR920030160US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Patent Application**

Applicant(s): S. Ma et al.  
Docket No.: YOR920030160US1  
Serial No.: 10/630,992  
Filing Date: July 30, 2003  
Group: To Be Assigned  
Examiner: To Be Assigned

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature:

*Lisa L. Vulpis*

Date: November 19, 2003

Title: Methods and Apparatus for  
Mining Attribute Associations

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

- Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed.

Other Documents

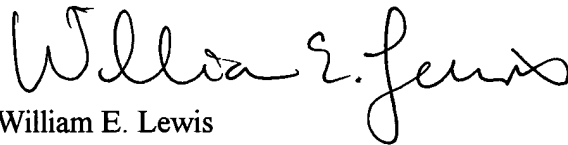
1. R. Agrawal et al., "Mining Association Rules Between Sets of Items in Large Databases, VLDB, pp. 1-10, 1993.
2. R. Agrawal et al., "Mining Sequential Patterns, ICDE, 12 pages, 1995.
3. R. Srikant et al., "Mining Generalized Association Rules," VLDB, 13 pages, 1995.
4. J. Han et al., "Discovery of Multiple-level Association Rules from Large Databases," VLDB, pp. 1-12, 1995.
5. R. Ng et al., "Exploratory Mining and Pruning Optimizations of Constrained Associations Rules, SIGMOD, 12 pages, 1998.
6. R. Srikant et al., "Mining Association Rules with Item Constraints, SIGKDD, 7 pages, 1997.

7. W-M. Shen et al., "MetaQueries for Data Mining," pp. 1501-1521, AAAI/MIT press, 1996.
8. Y. Fu et al., "Meta-Rule-Guided Mining of Association Rules in Relational Databases," Proceedings 1st Int'l. Workshop on Integration of KDOOD, 8 pages, 1995.
9. M. Kamber et al., "Metarule-Guided Mining of Multi-Dimensional Association Rules Using Data Cubes, SIGKDD, 4 pages, 1997.
10. C. Grahne et al., "On Dual Mining: From Patterns to Circumstances, and Back," ICDE, pp. 1-10, 2001.
11. C-S. Perng et al., "A Framework for Exploring Mining Spaces with Multiple Attributes," ICDM, pp. 449-456, 2001.
12. R. Agrawal et al., "Fast Algorithms for Mining Association Rules," VLDB, pp. 1-32, 1994.

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The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability, or as a representation that no other material information exists.

Respectfully submitted,



Date: November 19, 2003

William E. Lewis  
Reg. No. 39,274  
Attorney for Applicant(s)  
Ryan, Mason & Lewis, LLP  
90 Forest Avenue  
Locust Valley, NY 11560  
(516) 759-2946

**FORM PTO-1449 (MODIFIED)****LIST OF PUBLICATIONS FOR  
APPLICANT'S INFORMATION  
DISCLOSURE STATEMENT**

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**U.S. PATENT DOCUMENTS**

EXAMINER						FILING DATE
INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	IF APPROPRIATE	

**FOREIGN PATENT DOCUMENTS**

EXAMINER						TRANSLATION
INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	YES	NO

**OTHER DOCUMENTS**

EXAMINER				
INITIAL	REF NO.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.		

1. R. Agrawal et al., "Mining Association Rules Between Sets of Items in Large Databases, VLDB, pp. 1-10, 1993.
2. R. Agrawal et al., "Mining Sequential Patterns, ICDE, 12 pages, 1995.
3. R. Srikant et al., "Mining Generalized Association Rules," VLDB, 13 pages, 1995.
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12. R. Agrawal et al., "Fast Algorithms for Mining Association Rules," VLDB, pp. 1-32, 1994.

Examiner

Date Considered

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.